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TITLE: LIQUID INJECTION RECORDING HEAD

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INVENTOR-INFORMATION:

NAME

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ASSIGNEE-INFORMATION:

NAME

CANON INC

COUNTRY

N/A

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ABSTRACT:

PURPOSE: To manufacture the title low-cost precise head having high reliability, and to improve durability by using a photopolymerizable composition composed of a specific component.

CONSTITUTION: A graft copolymerizing high molecule, in which a branched chain mainly comprising a structural unit obtained from a hydrophilic monomer is added to a main chain mainly comprising one kind or more of monomer structural units selected from alkyl methacrylate, acrylonitrile and styrene, is used. A monomer containing a linear high molecule and an ethylene unsaturated bond is comprised in addition to said graft copolymerizing high

molecule. A generator consisting of a compound selected from an organic peroxide, an S-triazine derivative, benzophenone and its derivative, quinones, N-phenyl glycine and alkyl aryl ketone is contained. A sensitizer made up of at least one kind of a compound composed of a coumarin, ketocoumarin, cyanine, merocyanine, and xanthine dyestuff is comprised.

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